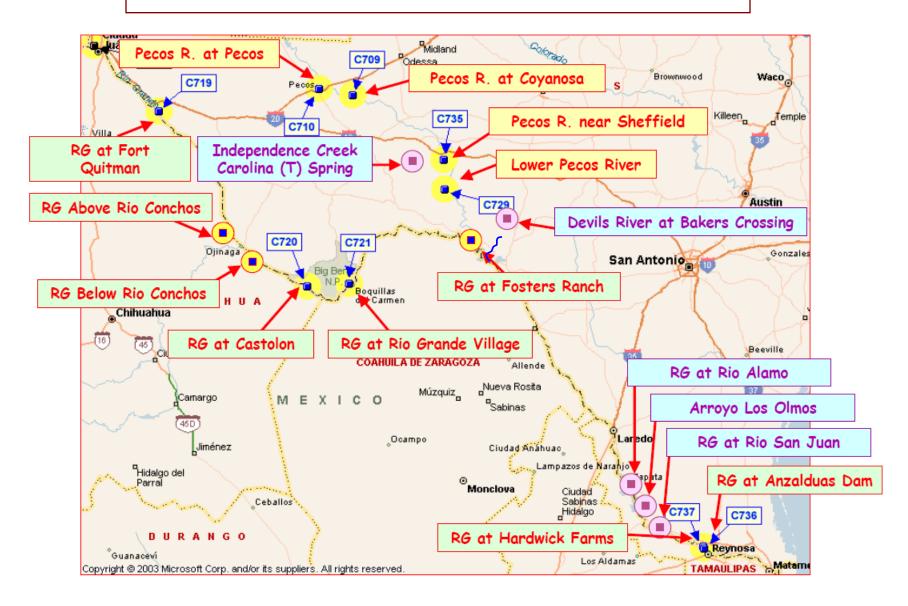




Continuous Water Quality Monitoring Stations in the Rio Grande Basin



Pecos & Devils River CWQMN Sites

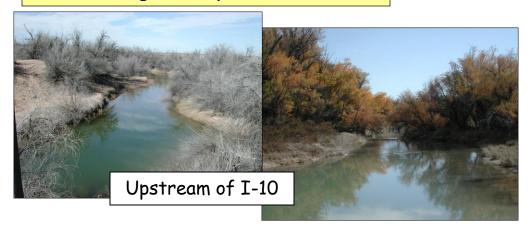
To monitor the effects of salt cedar eradication which includes.

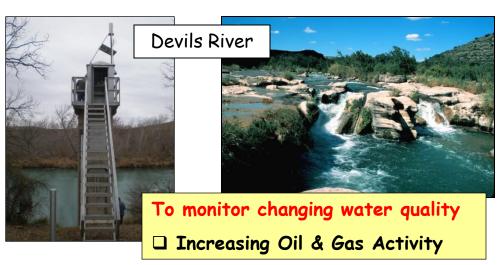
- □ Increasing Flow
- □ Decreasing Salinity

Pecos River

To monitor changing water quality

- ☐ Increasing Oil & Gas Activity
- ☐ Presence of Golden Algae









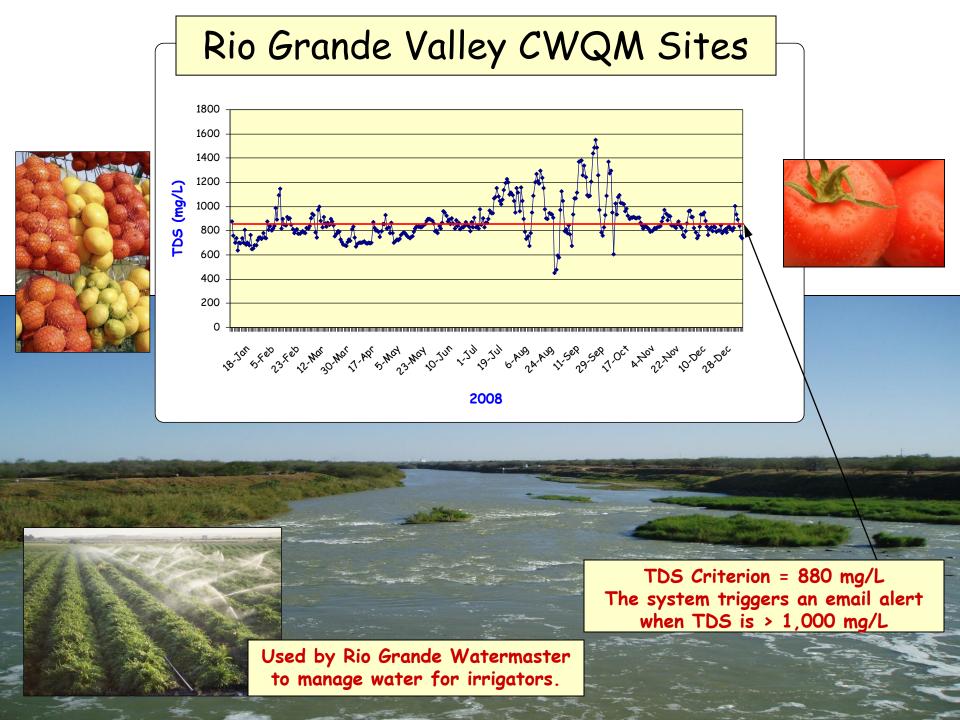
Downstream of I-10



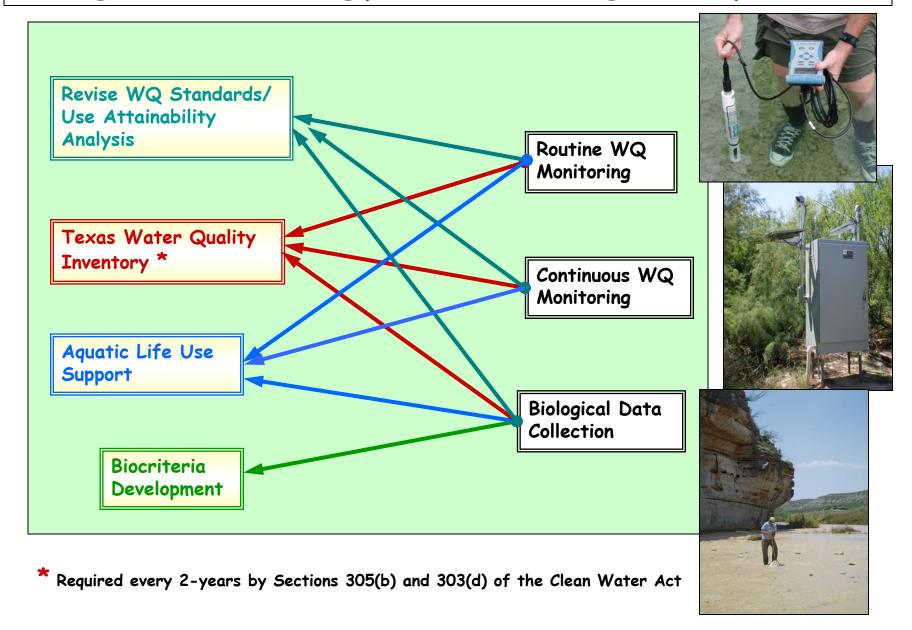


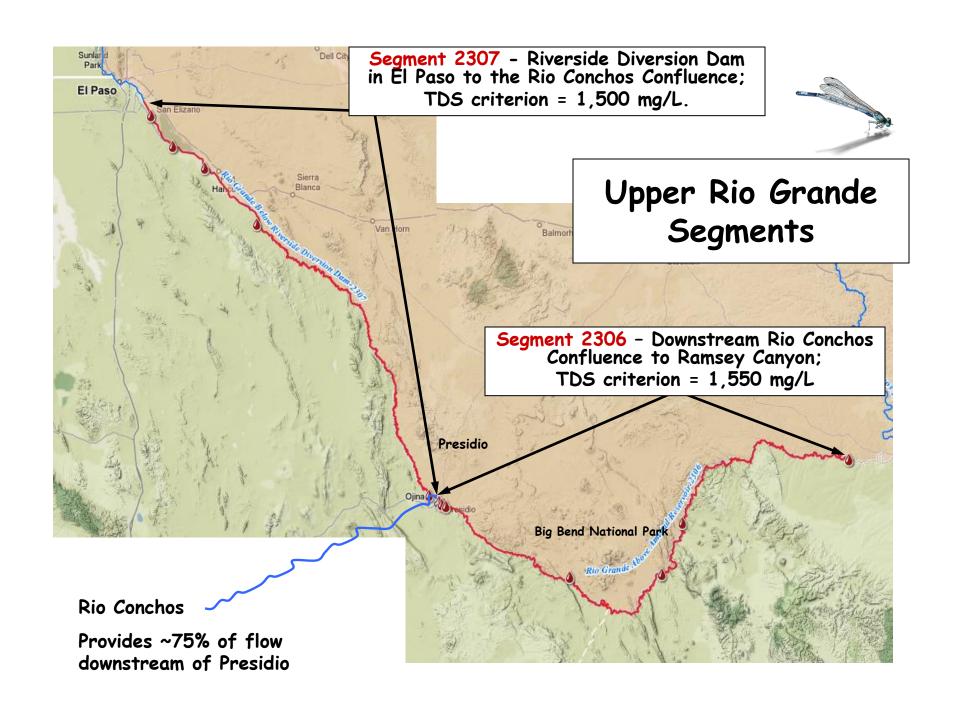
Operated by;

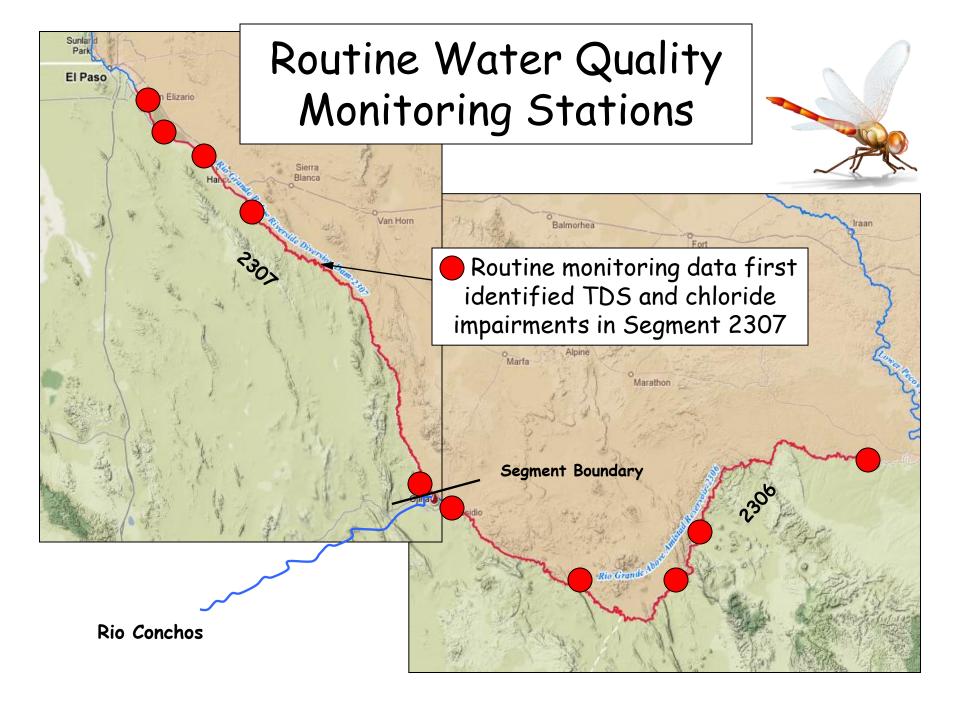
TCEQ Midland and Laredo Regional Offices

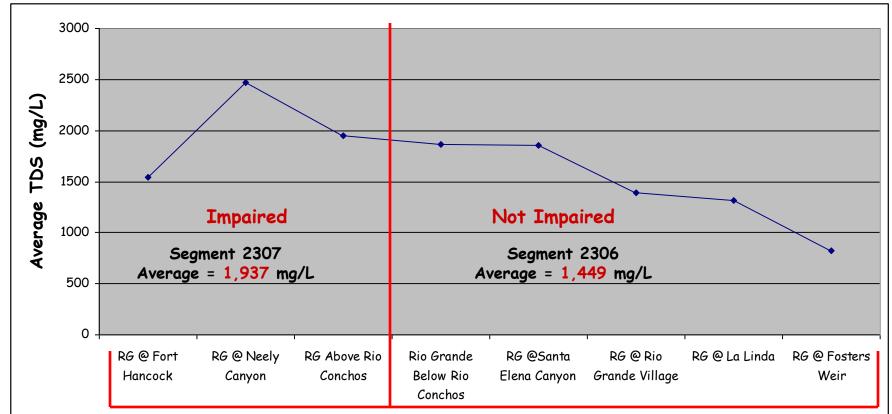


Using WQ & Biology to Meet Regulatory Needs







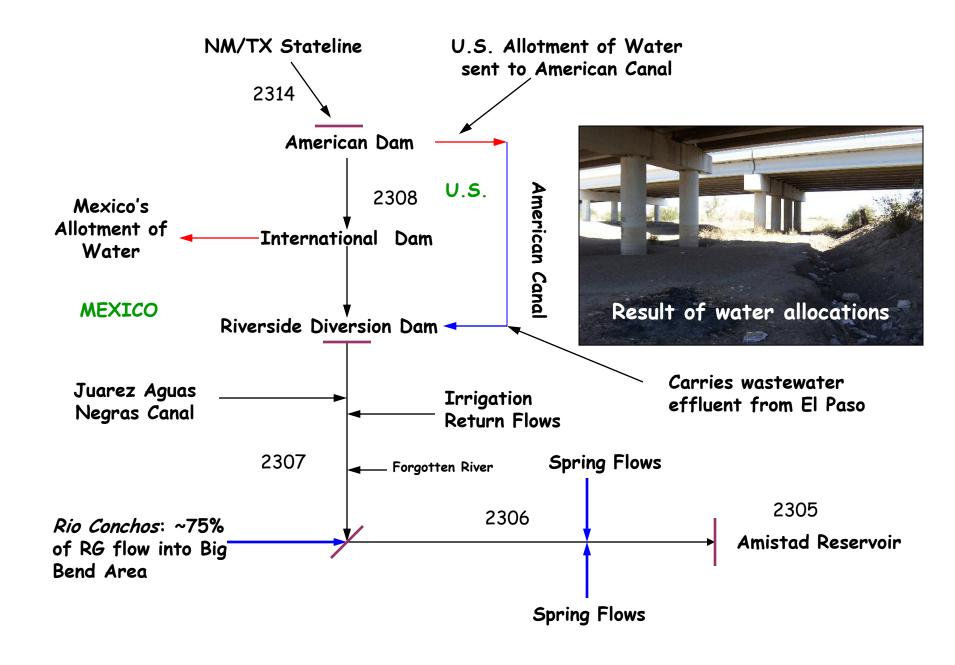


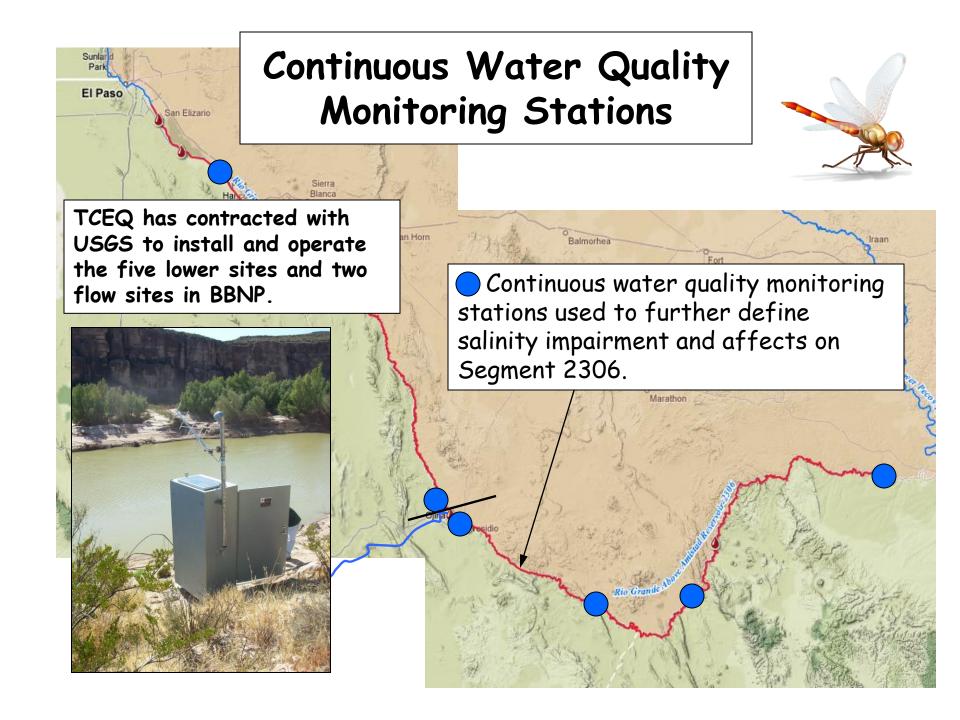


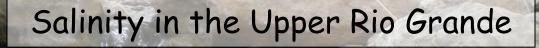


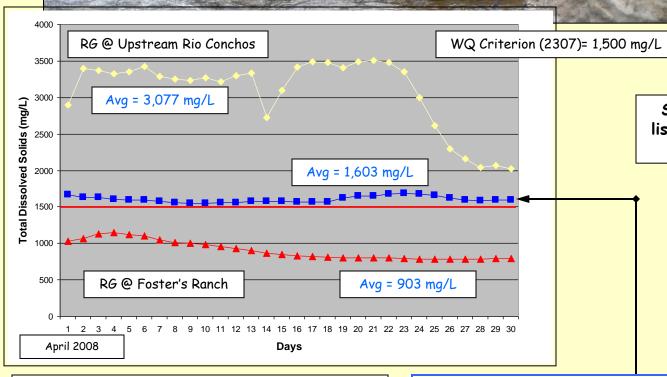












Segment 2307 currently listed as impaired for TDS and chloride.

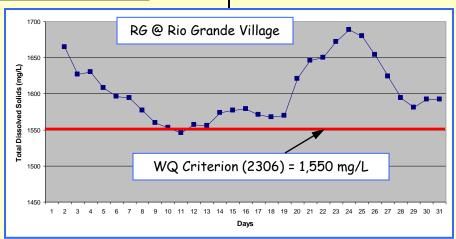
Using Continuous Data to Determine TDS

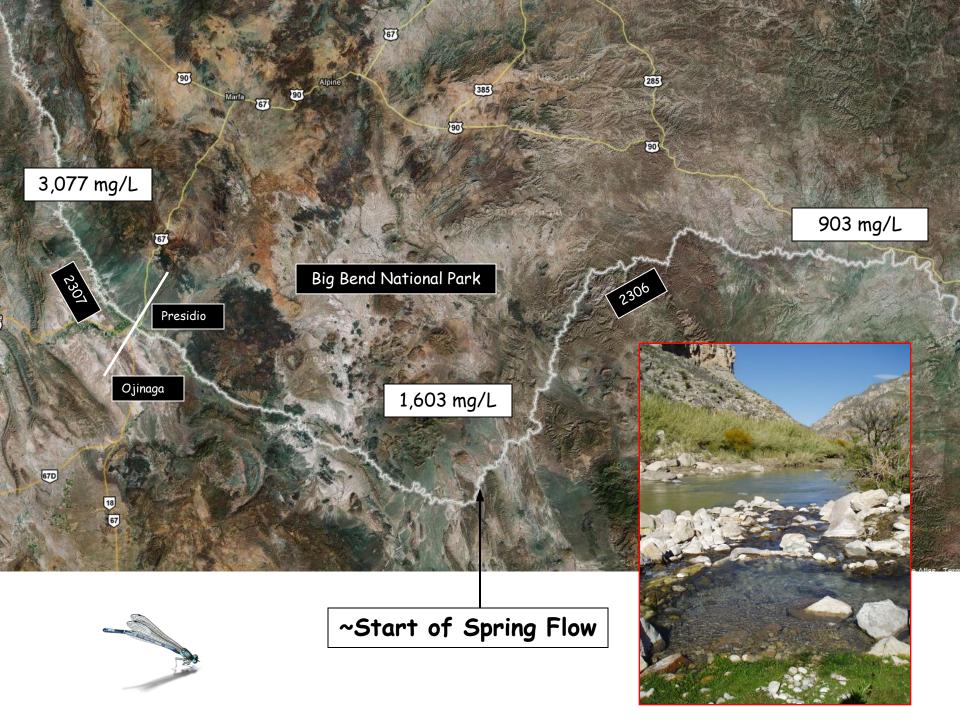
Specific Conductance x 0.65 = TDS

Standards compliance for TDS is based on the average of all samples in a segment.

Spring flow accounts for overall standards compliance in Segment 2306.

Avg for RGV + Foster's Ranch = 1,253 mg/L

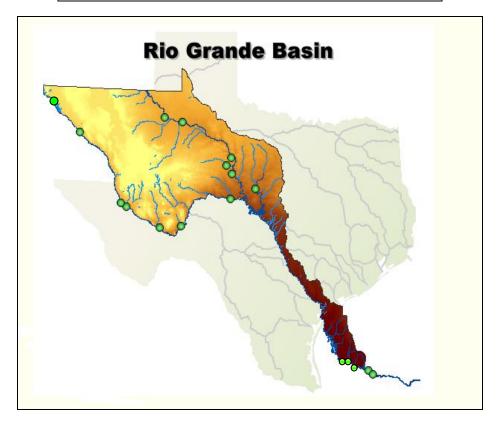






Surface Water Temperature
 Surface Specific Conductance
 Total Dissolved Solids
 Surface Dissolved Oxygen

Accessing Data on the Web



http://www.texaswaterdata.org

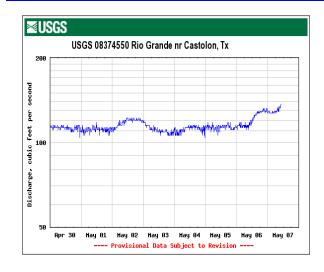
Available Data



pH
Specific Conductance
Total Dissolved Solids
Water Temperature

Parameter Measured	Morning									
	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00
Surface Water Temperature	20.0	20.0	19.9	19.8	19.7	19.7	19.6	19.6	NA	NA
Surface Specific Conductance	<u>1124</u>	1120	1116	1114	1112	1111	1108	1108	NA	NA
Total Dissolved Solids	<u>730.567</u>	727.951	725.124	724.149	722.426	722.150	720.151	720.233	NA	NA
Surface Dissolved Oxygen	7.2	7.3	7.3	7.3	<u>7.3</u>	7.3	7.3	7.3	NA	NA
Surface Water pH	8.0	8.0	8.0	8.0	8.0	8.0	<u>8.0</u>	8.0	NA	NA
Salinity	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	NA	NA
Parameter Measured	Mid	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00
	Morning									
Maximum values for each parameter are bold within the table. Minimum values are bold italic .										

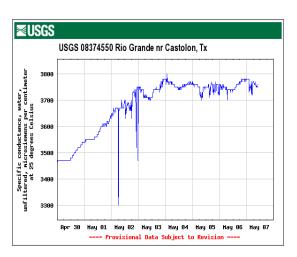
http://texaswaterdata.org

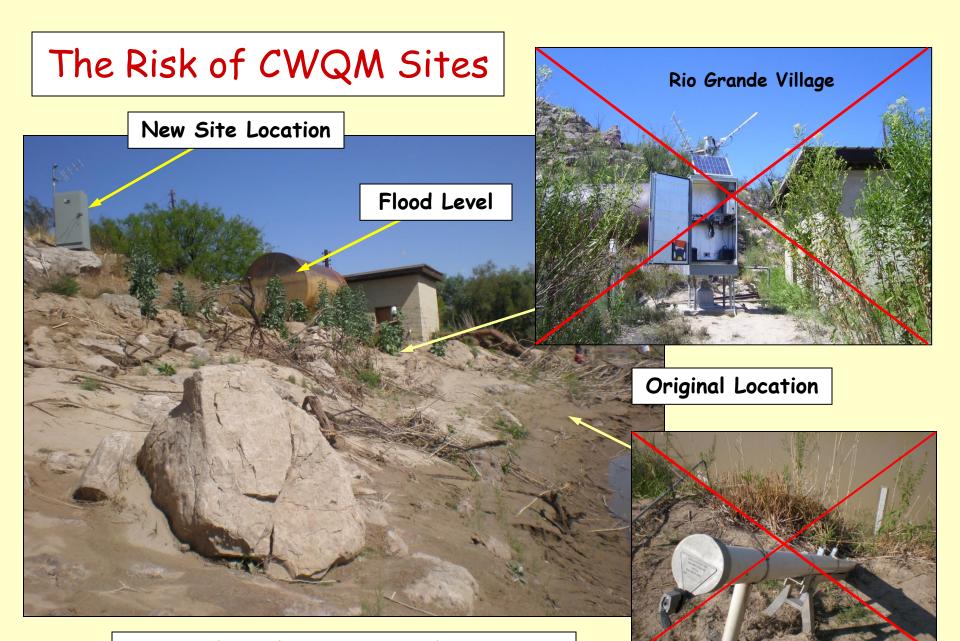




Flow and water quality data available as a graph or in a table format

http://tx.usgs.gov/





Site lost during September 2008 flood with flows > 55,000 cfs



